

分布式储能

一体化解决方案

DISTRIBUTED ENERGY
STORAGE INTEGRATED SOLUTION

能量块
Energy block

能量链
Energy chain

能量云
Energy cloud

引擎聚能，驱动绿色未来

分布式储能一体化解决方案

THE ENGINE GATHERS ENERGY TO DRIVE A GREEN FUTURE
DISTRIBUTED ENERGY STORAGE INTEGRATED SOLUTION

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用户侧解决方案
User side solution

ENGINE OC -HV

密集成 同冷暖 高安全 可升级 多兼容



技术参数 Technical parameter

产品名称 / Product name	ENGINE OC -HV		
产品型号 / Product model	ENE-HESS-LFP-HV-OC-KWh		
直流侧参数 / DC side parameters			
电芯类型 Cell type	磷酸铁锂 LiFePO4	单模块电压范围 Single module voltage range	89.6~115.2V DC
电芯规格 Cell specification	100Ah/125Ah/130Ah	系统电压范围 System voltage range	896~1152V DC
电池模块数量 Battery system configuration	支持 1~10 个串联 Support 1~10 Series	标准充电电流 Standard charging current	0.5C@ 持续 0.5C@lasts
单模块额定容量 Single module rated capacity	10.24kWh	最大充电电流 Max charging current	1C@ 脉冲 1C@pulse
单模块额定电压 Single module rated voltage	102.4V DC	标准放电电流 Standard discharge current	0.5C@ 持续 0.5C@lasts
系统总额定容量 Rated total energy(kwh)	102.4KWh/128kwh/133kwh	最大放电电流 Max discharge current	1C@ 脉冲 1C@pulse
基本参数 / System parameter			
单模块重量 Single module weight	96Kg (单箱) 96Kg (single)	运行湿度 Operating humidity	5~95% , 相对湿度 5~95% , relative humidity
单模块尺寸 ((W*H*D) Single module size((W*H*D)	450X132X850 mm (单箱) 450X132X850 mm (Single)	消防 Fire protection	气溶胶灭火器 Aerosol fire extinguisher
系统尺寸 ((W*H*D) ESS size((W*H*D)	650X2100X1100 mm	认证 Certification	MSDS/UN38.3/CE/ 运输鉴定报告 MSDS/UN38.3/CE/Transportation
防护等级 IP Rating	IP54	报警与保护 Alarm and protection	具备 Yes
冷却方式 (选配) Cooling method (optional)	自然冷却 / 强制风冷 Free cooling/Forced air cooling	指示灯状态 Indicator status	电源 / 运行 / 报警 Power/operation/alarm
设计寿命 Design life	10 年 10 years	安装方式 Installation method	落地式 Floor-standing
循环次数 Cycle number	8000 次 (SOC≤70%、25°C) 8000 times (SOC≤70%、25°C)	强制风冷 Forced air cooling	2KW 户外专用空调 2KW outdoor dedicated air conditioner
传感器 (选配件, 需要配合 EMS 使用) Sensor(optional, need to cooperate with EMS)	消防三合一传感器、声光报警器 / 水浸 / 门禁 Fire three-in-one sensor, sound and light alarm/Water immersion/Access control		
环境温度 Communicationinterface	充电 :0°C~50°C/ 放电 : -20°C~50°C/ 存储 : -10°C~45°C Charging: 0°C~50°C/Discharging: -20°C~50°C/Storage: -10°C~45°C		



Industrial and commercial

102.4KWh/128kWh/133kWh



Back-up power



Off-grid



Micro-grid



Fuel saving solution



Self-consumption



Demand charge management

Features and Advantages

- ▶ Fully Modular Design, High System Integration, Easy Installation, Minimal Maintenance and Operations.
- ▶ Flexible Expansion, Supports Up to 10 Units in Parallel, Maximum Capacity Expandable to 1.33MWh.
- ▶ PACK-Level Active Safety Monitoring and Warning System, Intelligent Fire Protection System, and Temperature Control System for Safe and Controllable Operations.
- ▶ Engine Cloud Platform Management System, Supports Remote/Local Monitoring, Intelligent Cloud-Based Maintenance and Operations.
- ▶ Application Areas: Telecommunication Energy Storage, Grid Frequency Regulation Energy Storage, Renewable Microgrid Energy Storage, Large-Scale Industrial and Commercial Distributed Energy Storage, Data Center Energy Storage, Photovoltaic Power Generation, and More.